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(54) **METHODS AND SYSTEMS FOR DISPOSING ALKALI METAL PATCHES**

(57) A method for disposing of a device including an alkali metal is described. In one embodiment, the method includes placing the device in a container configured to permit a controlled exposure of the alkali metal to a reactant for the alkali metal or a solubilizer of the alkali metal, and allowing the alkali metal to react with the reactant or to dissolve in the solubilizer to render the alkali metal substantially non-reactive. Containers for use in the method and kits including the alkali metal device and the disposal container are also described.

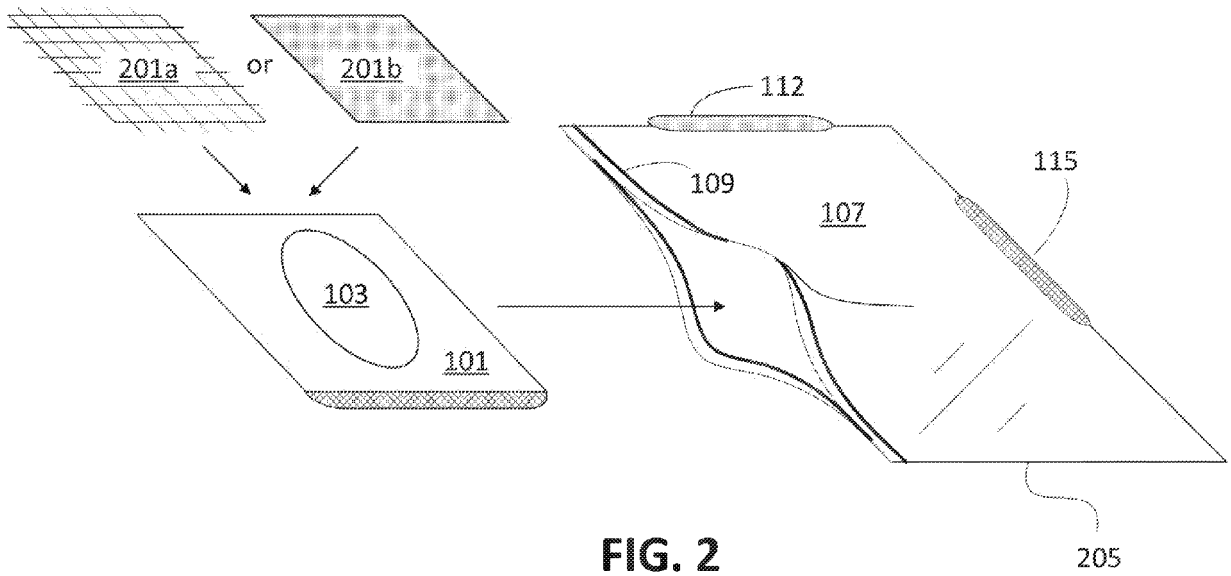

FIG. 2

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EUROPEAN SEARCH REPORT

Application Number
EP 24 16 4654

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2010/150824 A1 (WITHERS-KIRBY SANDRA [US] ET AL) 17 June 2010 (2010-06-17) * paragraphs [0035], [0050], [0087], [0107] - [0110], [0063], [0078], [0080], [0088] - [0093], [0105], [0113], [0133], [0135], [0014]; claim 23; figures 1-4 *	1-15	INV. A61N1/04
A	US 2008/014481 A1 (FIEBIG BRAD [US]) 17 January 2008 (2008-01-17) * the whole document *	1-15	
A	US 2007/189940 A1 (SHURTLEFF JAMES K [US] ET AL) 16 August 2007 (2007-08-16) * the whole document *	1-15	
A	US 2005/178061 A1 (TONCA FLORIAN [CA]) 18 August 2005 (2005-08-18) * the whole document *	1-15	
A	WO 03/103673 A1 (PURDUE PHARMA LP [US]; BAKER CARL J [US]; SHEVCHUK IHOR [US]) 18 December 2003 (2003-12-18) * the whole document *	1-15	TECHNICAL FIELDS SEARCHED (IPC) A61N

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	27 June 2024	Sopelana Martínez, J

CATEGORY OF CITED DOCUMENTS

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L : document cited for other reasons

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27-06-2024

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2010150824 A1	17-06-2010	NONE	
US 2008014481 A1	17-01-2008	TW 200806392 A	01-02-2008
		US 2008014479 A1	17-01-2008
		US 2008014481 A1	17-01-2008
		WO 2008002438 A2	03-01-2008
US 2007189940 A1	16-08-2007	US 2007189940 A1	16-08-2007
		US 2009304554 A1	10-12-2009
US 2005178061 A1	18-08-2005	CA 2457707 A1	16-08-2005
		US 2005178061 A1	18-08-2005
		US 2010012504 A1	21-01-2010
WO 03103673 A1	18-12-2003	AT E355061 T1	15-03-2006
		AU 2003251482 A1	22-12-2003
		AU 2009217420 A1	15-10-2009
		CA 2488915 A1	18-12-2003
		CN 1658878 A	24-08-2005
		CN 101455649 A	17-06-2009
		CY 1107630 T1	18-04-2013
		DE 60312160 T2	31-10-2007
		DK 1513532 T3	02-07-2007
		EA 200401564 A1	25-08-2005
		EP 1513532 A1	16-03-2005
		EP 1837023 A1	26-09-2007
		EP 2266565 A1	29-12-2010
		EP 2298302 A1	23-03-2011
		ES 2283812 T3	01-11-2007
		JP 4949625 B2	13-06-2012
		JP 5507367 B2	28-05-2014
		JP 5898242 B2	06-04-2016
		JP 2005538058 A	15-12-2005
		JP 2011016802 A	27-01-2011
		JP 2014088422 A	15-05-2014
		KR 20050020977 A	04-03-2005
		KR 20110120358 A	03-11-2011
		MX PA04012333 A	25-02-2005
		NO 334455 B1	10-03-2014
		NZ 537180 A	28-03-2008
		PT 1513532 E	31-05-2007
		SI 1513532 T1	31-08-2007
		UA 82194 C2	25-03-2008
		US 2004033255 A1	19-02-2004
		US 2008274168 A1	06-11-2008
		WO 03103673 A1	18-12-2003

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 24 16 4654

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27-06-2024

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		ZA 200409495 B	31-05-2006

EPO FORM P0459

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